

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/528,309B
Source: 1FwP
Date Processed by STIC: 8/14/06

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IFWP

RAW SEQUENCE LISTING

DATE: 08/14/2006

PATENT APPLICATION: US/10/528,309B

TIME: 12:27:02

Input Set : A:\21226YP SEQLIST.TXT

Output Set: N:\CRF4\08142006\J528309B.raw

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4 <110> APPLICANT: Clark, Janet
5     Rohrer, Susan
6     Alves, Stephen E.
8 <120> TITLE OF INVENTION: Tryptophan Hydroxylase Assay
11 <130> FILE REFERENCE: 21226Y
13 <140> CURRENT APPLICATION NUMBER: 10/528,309B
14 <141> CURRENT FILING DATE: 2005-03-17
16 <150> PRIOR APPLICATION NUMBER: 60/412,094
17 <151> PRIOR FILING DATE: 2002-09-19
19 <150> PRIOR APPLICATION NUMBER: US03/29320
20 <151> PRIOR FILING DATE: 2003-09-15
22 <160> NUMBER OF SEQ ID NOS: 9
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28 <212> TYPE: DNA
29 <213> ORGANISM: Mus Musculus
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33 <222> LOCATION: (0)...(0)
34 <223> OTHER INFORMATION: Isolate P815 Mouse Mastocytoma cell line, strain
35     DBA, ATCC Deposit No. TIB-64
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40 tcctctcggg ggactcgccc gatcagctca ctgcgaagga agacgttatg gagactgtcc 180
41 cttggtttcc aaagaagatt tctgacctgg acttctgcgc caacagagtg ctgttgatg 240
42 gatccgaact tgacgccgac cacc                                     265
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 265
46 <212> TYPE: DNA
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51 gcgacatcaa ccgagaacag ctgaatgaca tcttccccct gctaaagtcc cacaccacgg 120
52 tcctctctgt ggactcgccc gatcagctcc ctgaaaagga agatgttatg gagactgtcc 180
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54 gatccgaact cgacgccgac cactg                                     265
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 265
58 <212> TYPE: DNA
59 <213> ORGANISM: Homo Sapiens
61 <400> SEQUENCE: 3

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62 tacatatcga gtcccgaaaa tcaaaaagaa gaaactcaga atttgagatt tttgttgact 60
63 gtgacatcaa cagagaacaa ttgaatgata tttttcatct gctgaagtct cataccaatg 120
64 ttctctctgt gaatctacca gataatttta ctttgaagga agatggatg gaaactgttc 180
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66 gatctgaact agatgcagac cactg                                     265
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82 gagaacaaag accattcctc cgaaagaggg agagtgactc tcatcttctc cttggagaat 180
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84 cacatcgagt cccggaaatc aaagcaaaga aattcagaat ttgagatatt tgttgactgc 300
85 gacatcgacc gagaacagtt gaatgacatc ttccccctgc tgaagtcgca cgccaccgtc 360
86 ctctcggtag actcgccgca tcagctcact gcgaagggaag acgttatgga gactgtccct 420
87 tggtttccaa agaagatttc tgacctggac ttctgcgcca acagagtgtc gttgtatgga 480
88 tccgaacttg acgccgacca ccctggcttc aaagacaatg tctatcgtag aagacgaaag 540
89 tattttgcag agttggctat gaactacaaa catggggacc ccattcccaa gattgaattc 600
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92 cgggaagaca acatcccgcg actggaggat gtctccaact ttttaaaga acgcactggg 780
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105 ttccccctgaa gacctgcttg gggagggaca gcagctccca gcttagcaat gtctctcgcc 1560
106 tctctccata ttcaatcact cactctctct gaaaatgcac acctggaact gcttatcttc 1620
107 tacttctgtt ttgtcttctg gaacctgctg agggaaatat agttcacgtg ccacgtgatg 1680
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111 <211> LENGTH: 1344
112 <212> TYPE: DNA
113 <213> ORGANISM: Mus Musculus
115 <220> FEATURE:

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116 <221> NAME/KEY: misc_feature
117 <222> LOCATION: (0)...(0)
118 <223> OTHER INFORMATION: Isolate P815 Mouse Mastocytoma, cell line, Strain
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124 ttccaggaga atcatgtgag cctgttacac atcgagtccc ggaaatcaaa gcaagaaat 180
125 tcagaatttg agatatttgt tgactgcgac atcagccgag aacagttgaa tgacatcttc 240
126 cccctgctga agtcgcacgc caccgtcctc tcgggtggact cgcccgatca gctcactgcg 300
127 aaggaagacg ttatggagac tgtcccttgg tttccaaaga agatttctga cctggacttc 360
128 tgcgccaaca gagtgtgtgt gtatggatcc gaacttgacg ccgaccaccc tggcttcaaa 420
129 gacaatgtct atcgtagaag acgaaagtat tttgcagagt tggctatgaa ctacaaacat 480
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135 cacagttcag atccccctta cactccagag ccagacacct gccatgaact cctaggccac 840
136 gttcctctct tggctgaacc cagttttgct caattctccc aagaaattgg cctggcttcc 900
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141 agctttgaag atgcaaagga gaagatgaga gaatttgcca agaccgtgaa gcgcccgttt 1200
142 ggactgaagt acaaccctga cacacagagt gttcagggtt tcagagacac caagagcata 1260
143 actagtcca tgaatgagtt gcggtatgac cttgatgtca tcagtgatgc cctcgctagg 1320
144 gtcaccaggt ggcccagtgt gtga                                     1344
146 <210> SEQ ID NO: 6
147 <211> LENGTH: 447
148 <212> TYPE: PRT
149 <213> ORGANISM: Mus Musculus
151 <400> SEQUENCE: 6
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153 1 5 10 15
154 Glu Arg Gly Arg Val Thr Leu Ile Phe Ser Leu Glu Asn Glu Val Gly
155 20 25 30
156 Gly Leu Ile Lys Val Leu Lys Ile Phe Gln Glu Asn His Val Ser Leu
157 35 40 45
158 Leu His Ile Glu Ser Arg Lys Ser Lys Gln Arg Asn Ser Glu Phe Glu
159 50 55 60
160 Ile Phe Val Asp Cys Asp Ile Ser Arg Glu Gln Leu Asn Asp Ile Phe
161 65 70 75 80
162 Pro Leu Leu Lys Ser His Ala Thr Val Leu Ser Val Asp Ser Pro Asp
163 85 90 95
164 Gln Leu Thr Ala Lys Glu Asp Val Met Glu Thr Val Pro Trp Phe Pro
165 100 105 110
166 Lys Lys Ile Ser Asp Leu Asp Phe Cys Ala Asn Arg Val Leu Leu Tyr
167 115 120 125

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168 Gly Ser Glu Leu Asp Ala Asp His Pro Gly Phe Lys Asp Asn Val Tyr
169      130      135      140
170 Arg Arg Arg Arg Lys Tyr Phe Ala Glu Leu Ala Met Asn Tyr Lys His
171 145      150      155      160
172 Gly Asp Pro Ile Pro Lys Ile Glu Phe Thr Glu Glu Glu Ile Lys Thr
173      165      170      175
174 Trp Gly Thr Ile Phe Arg Glu Leu Asn Lys Leu Tyr Pro Thr His Ala
175      180      185      190
176 Cys Arg Glu Tyr Leu Arg Asn Leu Pro Leu Leu Ser Lys Tyr Cys Gly
177      195      200      205
178 Tyr Arg Glu Asp Asn Ile Pro Gln Leu Glu Asp Val Ser Asn Phe Leu
179      210      215      220
180 Lys Glu Arg Thr Gly Phe Ser Ile Arg Pro Val Ala Gly Tyr Leu Ser
181 225      230      235      240
182 Pro Arg Asp Phe Leu Ser Gly Leu Ala Phe Arg Val Phe His Cys Thr
183      245      250      255
184 Gln Tyr Val Arg His Ser Ser Asp Pro Leu Tyr Thr Pro Glu Pro Asp
185      260      265      270
186 Thr Cys His Glu Leu Leu Gly His Val Pro Leu Leu Ala Glu Pro Ser
187      275      280      285
188 Phe Ala Gln Phe Ser Gln Glu Ile Gly Leu Ala Ser Leu Gly Ala Ser
189      290      295      300
190 Glu Glu Thr Val Gln Lys Leu Ala Thr Cys Tyr Phe Phe Thr Val Glu
191 305      310      315      320
192 Phe Gly Leu Cys Lys Gln Asp Gly Gln Leu Arg Val Phe Gly Ala Gly
193      325      330      335
194 Leu Leu Ser Ser Ile Ser Glu Leu Lys His Ala Leu Ser Gly His Ala
195      340      345      350
196 Lys Val Lys Pro Phe Asp Pro Lys Ile Ala Cys Lys Gln Glu Cys Leu
197      355      360      365
198 Ile Thr Ser Phe Gln Asp Val Tyr Phe Val Ser Glu Ser Phe Glu Asp
199      370      375      380
200 Ala Lys Glu Lys Met Arg Glu Phe Ala Lys Thr Val Lys Arg Pro Phe
201 385      390      395      400
202 Gly Leu Lys Tyr Asn Pro Tyr Thr Gln Ser Val Gln Val Leu Arg Asp
203      405      410      415
204 Thr Lys Ser Ile Thr Ser Ala Met Asn Glu Leu Arg Tyr Asp Leu Asp
205      420      425      430
206 Val Ile Ser Asp Ala Leu Ala Arg Val Thr Arg Trp Pro Ser Val
207      435      440      445
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211 <211> LENGTH: 24
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Primer, MTPH-874F
218 <400> SEQUENCE: 7
219 cacagttcag atcccctcta cact
221 <210> SEQ ID NO: 8

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222 <211> LENGTH: 27
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Primer, MTPH-962R
229 <400> SEQUENCE: 8
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234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Primer, MTPH-926T
240 <400> SEQUENCE: 9
241 aggagttcat ggcaggtgtc tggctct 27

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/528,309B

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